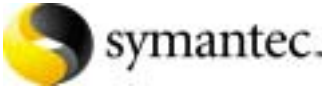
ManHunt Smart Agent for
Symantec™ Host IDS 4.1

Installation Guide



ManHunt Smart Agent for Symantec Host IDS 4.1 Installation Guide

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ManHunt Smart Agent for Symantec™ Host IDS 4.1

The ManHunt Smart Agent (MSA) for Symantec Host IDS 4.1 enables Symantec ManHunt to receive events in real time from the Symantec Enterprise Security Architecture (SESA) Manager. ManHunt then converts these events into the ManHunt event format, and sends the events to a ManHunt node for aggregation, correlation, and reporting, with all other ManHunt events. The MSA also enables you to set response policies for Symantec Host IDS events in the ManHunt Policy Configuration interface. (See *Symantec ManHunt Administration Guide* for instructions on creating response policies.)

System requirements

The MSA for Symantec Host IDS 4.1 requires the following:

- Symantec Host IDS 4.1 running on Windows 2000 Professional with Service Pack 2.
- SESA Manager 1.1 running on Windows 2000 Server.
- Symantec ManHunt 2.2 patch 2 installed on Solaris 8 SPARC or Intel, or Symantec ManHunt 3.0 installed on Solaris 8 SPARC or Intel, or Red Hat® Linux® 8.0 (with kernel version 2.4).

Note: Patch 2 is required for ManHunt 2.2 to enable you to properly view event information from MSAs. You can download the patch at: http://www.symantec.com/techsupp/enterprise/products/manhunt/manhunt_2.2/files.html.

To find out which ManHunt patches have been installed, look in the <ManHunt_inst_root>/patchlevel file. The content of the patchlevel file will include the entry `1:2.220.02:ManHunt patch 2.220.02` if you have patch 2 installed. If you do not have a patchlevel file, no patches have been installed.

Installation overview

The MSA for Symantec Host IDS 4.1 can be set up in six basic steps.

To set up the MSA for Symantec Host IDS 4.1

1. Ensure that you have installed Symantec ManHunt 2.2 patch 2, or Symantec ManHunt 3.0.
2. Install the MSA for Symantec Host IDS 4.1.
   See "Installing the MSA for Symantec Host IDS 4.1" on page 2.
3. Configure the Symantec management console.
   See "Configuring the SESA Management" on page 6.
4. Install the Symantec Host IDS 4.1 meta data on the ManHunt node.
   See "Installing the Symantec Host IDS 4.1 meta data" on page 8.
5. Configure Symantec ManHunt for Symantec Host IDS 4.1.
   See "Configuring Symantec ManHunt" on page 10.

Installing the MSA for Symantec Host IDS 4.1

You must install the MSA for Symantec Host IDS 4.1 on the SESA Manager host from which you want to receive events. If multiple SESA Managers are using the same SESA database, the MSA for Symantec Host IDS 4.1 must be installed on each SESA Manager to enable events to be sent to ManHunt.

The MSA for Symantec Host IDS 4.1 receives the Symantec Host IDS 4.1 event data, converts the data into the ManHunt event format, and sends the converted data to the ManHunt node. During the MSA installation, you specify the IP address of the ManHunt node that will receive the event data from the MSA. The MSA and ManHunt node communicate over Event Dispatch Protocol (EDP). To ensure secure and encrypted communication over EDP, they must share an EDP passphrase.

Note: You must be logged in as root to run the install script.

To install the MSA for Symantec Host IDS 4.1

1. Place the CD in the CD-ROM drive of the SESA Manager host.
2. Change to the CD directory, and type the following command:

   `Shids41MSA_MH<version>/java -jar setup.jar`

   where `<version>` is `22` or `30`

   You can change how the installation runs by passing one of the following arguments to the executable:

`-debug`	Prints debug information and also creates a SIPIInst.log file in C:\Documents and Settings\<username>\Local Settings\Temp\ with all the debug information.
`-silent`	Runs the SESA Integration Wizard silently (requires the indicated arguments).
`-userDN <userdn>`	User name used to connect to the SESA directory (required for -silent).
`-password <password>`	Password used to connect to the SESA directory (required for -silent).
`-sesaDirectory <hostname>`	Machine host name or IP address of the SESA directory (required for silent).
`-sesaDirectoryPort <port>`	Port number of the SESA directory (required for silent). Usually 636.
`-info`	Displays all information regarding the SESA Integration Wizard, including version and point product information packaged in the Wizard.
`-help`	Displays all available arguments.
`-uninstall`	Runs the SESA Integration Wizard in uninstall mode. This will completely delete the schema installed by the point product, both from the SESA directory and the SESA database. All events logged by that point product will be deleted. It is recommended to delete or archive those events before uninstalling.

3. In the SESA Integration Wizard, click Next twice.

4 In the SESA Domain Information Window, type the following information about the SESA Domain Administrator and SESA directory:

SESA Domain Administrator	The name of the SESA directory Domain Administrator account
SESA Domain Administrator Password	The password for the SESA directory Domain Administrator account.
IP Address of SESA Directory	The IP address of the computer on which the SESA directory is installed.
SSL Port	The number of the SESA directory secure port. By default, 636.

Note: This step is not necessary if you have already typed in this information at the command line.

5 Click Next twice and then click Finish to complete the install.

If you are running Symantec Host IDS you will have to restart the SESA console before the MSA will appear.

Symantec Host IDS 4.1 to ManHunt event severity mapping

The default reliability setting of Symantec Host IDS 4.1 events is 128 (medium), and the severity mapping from Symantec Host IDS 4.1 to ManHunt is as follows:

Table 1-1 Symantec Host IDS 4.1 to ManHunt severity mapping

Symantec Host IDS Event Severity	Range	ManHunt Event Severity	Range
Informational	0	Informational	0
Informational	0-6	Low	1-16
Informational	7-12	Medium	17-32
Informational	13-24	High	33-61
Warning	25-28	High	62-72
Warning	29-37	Urgent	73-96
Warning	38-47	Critical	97-120
Warning	48-59	Fatal Error	121-150
Critical	60-100	Fatal Error	151-255

Uninstalling the MSA for Symantec Host IDS 4.1

Except for the initial command, the process to uninstall the MSA for Symantec Host IDS 4.1 is identical to the installation process.

To uninstall the MSA for Symantec Host IDS 4.1

1. Place the CD in the CD-ROM drive of the SESA Manager host.
2. Change to the CD directory, and type the following command:

   `Shids41MSA_MH<version>/java -jar setup.jar -uninstall`

   where <version> is 22 or 30

   The script will ask if you wish to continue uninstalling the MSA.
   See "Installing the MSA for Symantec Host IDS 4.1" on page 2.

Note: If, after installing the MSA for Symantec Host IDS 4.1 meta data, you require more space on the disk, manually remove the meta data by deleting the Symantec_Host_IDS-policy.md file and the Symantec_Host_IDS-events.md file from the <ManHunt_install_directory>/md/ directory.

See "Installing the Symantec Host IDS 4.1 meta data" on page 8.

Configuring the SESA Management

You must configure the MSA for Symantec Host IDS 4.1 and its corresponding SESA Agent in the Symantec management console. The following sections describe this processes:

- Configuring the MSA for Symantec Host IDS 4.1
- Configuring the SESA Agent
- The MSA relay status page

Configuring the MSA for Symantec Host IDS 4.1

This section describes how to configure the MSA for Symantec Host IDS 4.1 in the Symantec management console.

To configure the MSA for Symantec Host IDS 4.1

1. Click the Configurations tab in the Symantec management console.
2. Click MSA for Symantec Host IDS > ManHunt Event Relay > Default.
   In the right window pane click the MSA Settings tab and enter the following information:

Table 1-2 MSA Configuration Parameters

Parameter	Description
ManHunt IP address	IP address of the ManHunt node to which you want to forward Symantec Host IDS events.
ManHunt EDP port	The ManHunt EDP (Event Dispatch Protocol) port. By default, 1333.
ManHunt EDP secret	The ManHunt EDP passphrase.
ManHunt Relay Log Level	The level of logging of Symantec Host IDS events sent to ManHunt via the MSA. There are 3 values: ■ Low—only error events will be sent. ■ Medium—all events sent will be logged, but only those fields the MSA passes to ManHunt will be logged (these are: Event type, Destination IP, and Text Data) ■ High—all events will be logged and all Symantec Host IDS fields for those events will be logged. The log file will be stored in C:\Program Files\IBM Http Server\tomcat\webapps\ManhuntRelay\ or, if you have installed IBM HTTP Server and tomcat in a different directory, C:\<tomcat install directory>\webapps\ManhuntRelay\.

Configuring the SESA Agent

This section describes how to configure the SESA Agent in the Symantec management console. Realize that the MSA for Symantec Host IDS 4.1 will start and stop as you start and stop the SESA Agent on the Symantec management console. See *Symantec Enterprise Security Architecture Administration Guide* for details.

To configure the SESA Agent

1. Click the Configurations tab in the Symantec management console.
2. Click SESA > SESA Agent Configuration > Default.
3. In the right window pane, click the Configuration tab.
4. Set the Config poll time property to 1 minute.
5. Click Apply.

Caution: Changing other SESA Agent configuration parameters may lead to degraded or unpredictable performance of the MSA. In particular, the App Flush Size setting should always be left at the default value of 50 kb, or considerable delays in event forwarding from SESA will occur.

The MSA relay status page

The MSA relay status page allows you to view statistics on events sent to ManHunt via the MSA for Symantec Host IDS, as well as configuration settings for the MSA. This page can be viewed at: https://<IP address of your SESA machine>/ManhuntRelay/servlet/ManhuntRelay/.

Note: Accessing the relay page requires the SESA domain administrator name and password.

Installing the Symantec Host IDS 4.1 meta data

You must install the Symantec Host IDS 4.1 meta data on the ManHunt node that you log into from the administration console, typically the primary master node. This is done in order for you to be able to create the MSA for Symantec Host IDS 4.1 external sensor node, create response policies for Symantec Host IDS 4.1 events, and display Symantec Host IDS 4.1 event data in the ManHunt console.

In addition, you must install this meta data on the ManHunt node that will receive the Symantec Host IDS 4.1 event data from the MSA for Symantec Host IDS 4.1 (if different from the master node).

Note: You must be logged in as root to install the Symantec Host IDS 4.1 meta data.

To install the Symantec Host IDS 4.1 meta data

1. Place the CD in the CD-ROM drive of the Symantec ManHunt host; mount the volume if necessary.
2. Change to the CD directory and enter the install command:

   `cd Shids41MSA_MH<version>/install/<platform>`

   where `<version>` is `22` or `30`, and `<platform>` is `linux`, `solaris8-intel`, or `solaris8-sparc`.

   `./install-md.sh`
3. Ensure that the meta data file to be installed begins with 'Symantec_Host_IDS' and ends with the '.md' file extension. If you have old meta data files, you can choose to either delete or archive them.

   Do one of the following:

   - Type `delete` and press Enter to delete the old meta data files.
   - Type `archive` and press Enter to archive the old meta data files.
4. ManHunt must be restarted to incorporate the new meta data.

   Type `y` and press Enter when prompted to restart ManHunt. If this is the ManHunt node used for administration, quit and restart any administration consoles connected to the node to enable the consoles to incorporate the new meta data.

As Symantec releases new policies for Symantec Host IDS via LiveUpdate, it will be necessary to install a new metadata file. You can find information on the latest Symantec product updates at http://www.symantec.com/avcenter/.

Note: If, when uninstalling the MSA for Symantec Host IDS 4.1 you require more space on the disk, manually remove the meta data by deleting the Symantec_Host_IDS-policy.md file and the Symantec_Host_IDS-events.md file from the <ManHunt_install_directory>/md/ directory. See "Uninstalling the MSA for Symantec Host IDS 4.1" on page 5.

Configuring Symantec ManHunt

You must configure Symantec ManHunt to enable communication between ManHunt and the MSA for Symantec Host IDS. The following sections describe how to configure ManHunt:

- Adding an external sensor node
- Adding an interface to an external sensor node
- Changing the EDP passphrase

Adding an external sensor node

To set ManHunt response policies for Symantec Host IDS events, you must add an external sensor node in the ManHunt topology tree for the machine on which the MSA for Symantec Host IDS 4.1 is installed.

To add an external sensor node

1. Open the ManHunt console.
2. Right-click External Sensors in the topology tree, and click Add External Sensor in the pop-up menu.
   The Add External Sensor dialog appears.
3. Enter a name of up to 39 characters for the device.
   This name will appear in the topology tree.
4. Enter an optional customer ID.
   This ID is a way of labeling the devices, for example, to describe the physical location of the device.
5. Enter the IP address for the SESA machine on which you installed the MSA for Symantec Host IDS 4.1.
6. From Smart Agent Type, choose one of the following:
   - For Symantec ManHunt 2.2, choose Symantec_Host_IDS
   - For Symantec ManHunt 3.0, choose Symantec Host IDS.

   Note: The Symantec Host IDS 4.1 Smart Agent type only appears in the drop-down list if you have installed the Symantec Host IDS 4.1 meta data.
7. Select the ManHunt node that will receive event data from the MSA for Symantec Host IDS 4.1.

Note: You must select the ManHunt node before setting the EDP passphrase, as ManHunt sets the EDP passphrase for the ManHunt node that is selected in the Event Receiver box at the time that you enter the EDP passphrase.

8. Set the EDP passphrase.

   This passphrase must be the same passphrase you entered during the MSA for Symantec Host IDS 4.1 installation process.

9. Enter a description for the MSA for Symantec Host IDS 4.1.

   This description will be displayed on the main console screen when this external sensor node is selected in the topology tree.

10. Click OK, then click Topology > Save Changes to save your topology tree changes.

Adding an interface to an external sensor node

The MSA for Symantec Host IDS 4.1 can take input from more than one source. You may add a description to each interface that corresponds to the external sensor you added in the ManHunt console. This allows for better correlation and presentation of Symantec Host IDS 4.1 events in the ManHunt console.

Note: You may add an interface to an external node in Symantec ManHunt 3.0 only.

To add and interface to an external sensor node

1. Right click on the external sensor you added for the MSA for Symantec Host IDS 4.1 in the ManHunt console, and click Add Interface in the pop-up menu.

   The Add MSA Interface dialog appears.

2. Enter a name of up to 39 characters for the interface.

   This name will appear in the topology tree.

3. Enter an optional customer ID.

   This ID is a way of labeling the source, for example, to describe the physical location of the sensor.

4. Enter the IP address for the machine on which you installed the device.

5. Enter the netmask.

6 Enter a description for the device.

This description will be displayed on the main console screen when this external sensor node is selected in the topology tree.

7 Click OK, then click Topology > Save Changes to save your topology tree changes.

Changing the EDP passphrase

To change the EDP passphrase on the ManHunt node, edit the external sensor topology tree node. The EDP passphrase on the ManHunt node must match the EDP passphrase on the MSA for Symantec Host IDS 4.1 machine. Therefore, if you change the passphrase on the ManHunt node, you must also change the passphrase on the MSA for Symantec Host IDS 4.1 machine by running the changesecret command located in the <MSA_install_directory>/bin directory.

To change the EDP passphrase on the ManHunt node

1 Log into the ManHunt console.

2 Right-click the appropriate external sensor node, and select Edit.

The Edit External Sensor dialog appears.

3 Click Set EDP Passphrase.

The EDP Passphrase dialog appears.

4 Enter the new passphrase the ManHunt node will use to communicate with the MSA for Symantec Host IDS 4.1.

This passphrase must be at least 8 characters long.

5 Re-enter the passphrase for confirmation.

6 Click OK, then click OK in the Edit External Sensor dialog box.

7 Click Topology > Save Changes.